

British Heart Journal

*A monthly journal of cardiology
published in association with
the British Cardiac Society*

Editorial: oesophageal echocardiography
J R T C Roelandt, G R Sutherland 1

The ST segment of the ambulatory electrocardiogram in a normal population *R S Kohli, P M M Cashman, A Lahiri, E B Raftery 4*

Time course of ventricular arrhythmias and the signal averaged electrocardiogram in the post-infarction period: a prospective study of correlation *G Turitto, E B Caref, G Macina, J M Fontaine, S N Ursell, N El-Sherif 17*

Effects of coronary artery surgery on left ventricular performance, segmental wall movement, and exertional ischaemia *N D Hamouratidis, C E Handler, A Pipilis, A Fiandra, P B Deverall, A K Yates 23*

Diastolic properties of the normal left ventricle during supine exercise *H Nonogi, O M Hess, M Ritter, H P Kraysenbuehl 30*

Increase in plasma concentrations of cardiodilatin (amino terminal pro-atrial natriuretic peptide) in cardiac failure and during recumbency *L Meleagros, J S R Gibbs, M A Ghatei, S R Bloom 39*

Failure of dopexamine to maintain haemodynamic improvement in patients with chronic heart failure *J J Murphy, J R Hampton 45*

Doppler assessment of the interventricular pressure drop in patients with ventricular septal defects *A B Houston, M K Lim, W B Doig, J M Reid, E N Coleman 50*

A new technique for the assessment of pulmonary regurgitation and its application to the assessment of right ventricular function before and after repair of tetralogy of Fallot *A N Redington, P J Oldershaw, E A Shinebourne, M L Rigby 57*

Neonatal anatomical correction of transposition of the great arteries: non-invasive assessment of haemodynamic function up to four years after operation *J L Gibbs, S A Qureshi, R Martin, N Wilson, M H Yacoub, R Radley Smith 66*

Hypoplastic left heart syndrome and 45X karyotype *H van Egmond, E Orye, M Praet, M Coppens, A Devloo-Blancquaert 69*

Clinical implications of atrial isomerism *I-S Chiu, S-W How, J-K Wang, M-H Wu, S-H Chu, H-C Lue, C-R Hung 72*

Case reports

Infective endarteritis affecting the left pulmonary artery after anatomical correction of complete transposition of the great arteries *J M Parsons, R P Martin, R Radley Smith 78*

Coronary artery-right ventricular fistula after endomyocardial biopsy *T J Locke, S S Furniss, C G A McGregor 81*

Angina pectoris treated by ventricular plication *H H Gray, M Paneth, D G Gibson 83*

A progressive pericardial effusion caused by psittacosis *S R Page, J T Stewart, J J Bernstein 87*

Anomalous origin of the left anterior descending coronary artery from the pulmonary trunk: recognition in life and successful surgical treatment *M M El Habbal, M de Leval, J Somerville 90*

Notice 92

Correspondence 93

British Medical Association

CONTENTS OF VOLUME 60

Number 1

EDITORIAL: OESOPHAGEAL ECHOCARDIOGRAPHY	J R T C Roelandt, G R Sutherland	1
THE ST SEGMENT OF THE AMBULATORY ELECTROCARDIOGRAM IN A NORMAL POPULATION	R S Kohli, P M M Cashman, A Lahiri, E B Raftery	4
TIME COURSE OF VENTRICULAR ARRHYTHMIAS AND THE SIGNAL AVERAGED ELECTROCARDIOGRAM IN THE POST-INFARCTION PERIOD: A PROSPECTIVE STUDY OF CORRELATION	G Turitto, E B Caref, G Macina, J M Fontaine, S N Ursell, N El-Sherif	17
EFFECTS OF CORONARY ARTERY SURGERY ON LEFT VENTRICULAR PERFORMANCE, SEGMENTAL WALL MOVEMENT, AND EXERTIONAL ISCHAEMIA	N D Hamouratidis, C E Handler, A Pipilis, A Fiandra, P B Deverall, A K Yates	23
DIASTOLIC PROPERTIES OF THE NORMAL LEFT VENTRICLE DURING SUPINE EXERCISE	H Nonogi, O M Hess, M Ritter, H P Krayenbuehl	30
INCREASE IN PLASMA CONCENTRATIONS OF CARDIODILATIN (AMINO TERMINAL PRO-ATRIAL NATRIURETIC PEPTIDE) IN CARDIAC FAILURE AND DURING RECUMBENCY	L Meleagros, J S R Gibbs, M A Ghatei, S R Bloom	39
FAILURE OF DOPEXAMINE TO MAINTAIN HAEMODYNAMIC IMPROVEMENT IN PATIENTS WITH CHRONIC HEART FAILURE	J J Murphy, J R Hampton	45
DOPPLER ASSESSMENT OF THE INTERVENTRICULAR PRESSURE DROP IN PATIENTS WITH VENTRICULAR SEPTAL DEFECTS	A B Houston, M K Lim, W B Doig, J M Reid, E N Coleman	50
A NEW TECHNIQUE FOR THE ASSESSMENT OF PULMONARY REGURGITATION AND ITS APPLICATION TO THE ASSESSMENT OF RIGHT VENTRICULAR FUNCTION BEFORE AND AFTER REPAIR OF TETRALOGY OF FALLOT	A N Redington, P J Oldershaw, E A Shinebourne, M L Rigby	57
NEONATAL ANATOMICAL CORRECTION OF TRANSPOSITION OF THE GREAT ARTERIES: NON-INVASIVE ASSESSMENT OF HAEMODYNAMIC FUNCTION UP TO FOUR YEARS AFTER OPERATION	J L Gibbs, S A Qureshi, R Martin, N Wilson, M H Yacoub, R Radley Smith	66
HYPOPLASTIC LEFT HEART SYNDROME AND 45X KARYOTYPE	H van Egmond, E Orye, M Praet, M Coppens, A Devloo-Blancquaert	69
CLINICAL IMPLICATIONS OF ATRIAL ISOMERISM	I-S Chiu, S-W How, J-K Wang, M-H Wu, S-H Chu, H-C Lue, C-R Hung	72
CASE REPORTS		
INFECTIVE ENDARTERITIS AFFECTING THE LEFT PULMONARY ARTERY AFTER ANATOMICAL CORRECTION OF COMPLETE TRANSPOSITION OF THE GREAT ARTERIES	J M Parsons, R P Martin, R Radley Smith	78
CORONARY ARTERY-RIGHT VENTRICULAR FISTULA AFTER ENDOMYOCARDIAL BIOPSY	T J Locke, S S Furniss, C G A McGregor	81
ANGINA PECTORIS TREATED BY VENTRICULAR PLICATION	H H Gray, M Paneth, D G Gibson	83
A PROGRESSIVE PERICARDIAL EFFUSION CAUSED BY PSITTACOSIS	S R Page, J T Stewart, J J Bernstein	87
ANOMALOUS ORIGIN OF THE LEFT ANTERIOR DESCENDING CORONARY ARTERY FROM THE PULMONARY TRUNK: RECOGNITION IN LIFE AND SUCCESSFUL SURGICAL TREATMENT	M M El Habbal, M de Leval, J Somerville	90
NOTICE		92
CORRESPONDENCE		93

Number 2

EDITORIAL: ISCHAEMIC VENTRICULAR ANEURYSMS: TRUE OR FALSE?	M J Davies	95
LIMITATIONS ON THE PROGNOSTIC VALUE OF PREDISCHARGE DATA AFTER MYOCARDIAL INFARCTION		
H Cleempoel, H Vaincel, M Dramaix, A Lenaers, E Contu, M Hoylaerts, B Demaret, M de Marneffe, J-L Vandenbossche, M Renard, R Haardt, M Englert, H Denolin, R Bernard		98
RISK FACTORS FOR EMBOLISATION IN PATIENTS WITH LEFT VENTRICULAR THROMBI AND ACUTE MYOCARDIAL INFARCTION	K-A Johannessen, J E Nordrehaug, G von der Lippe, S E Vollset	104
LONG TERM CLINICAL OUTCOME OF CORONARY SURGERY AND ASSESSMENT OF THE BENEFIT OBTAINED WITH POSTOPERATIVE ASPIRIN AND DIPYRIDAMOLE		
A H Gershlick, J P Lyons, J E C Wright, M F Sturridge, C A Layton, R Balcon		111
NEUROENDOCRINE ACTIVATION AFTER ACUTE MYOCARDIAL INFARCTION		
H M McAlpine, J J Morton, B Leckie, A Rumley, G Gillen, H J Dargie		117
EVIDENCE OF THE INACCURACY OF STANDARD ECHOCARDIOGRAPHIC AND ANGIOGRAPHIC CRITERIA USED FOR THE RECOGNITION OF TRUE AND "FALSE" LEFT VENTRICULAR INFERIOR ANEURYSMS		
G Lascault, F Reeves, G Drobinski		125
HOUR-GLASS DEFORMITY OF THE PULMONARY VALVE: A THIRD TYPE OF PULMONARY VALVE STENOSIS		
S Milo, A M I Fiegel, A Shem-Tov, H N Neufeld, D A Goor		128
ASSESSMENT OF THE SEVERITY OF MITRAL REGURGITATION FROM THE DYNAMICS OF RETROGRADE FLOW		
J A Bradley, D G Gibson		134
COMPARISON OF THE HAEMODYNAMIC EFFECTS OF EPOPROSTENOL (PROSTACYCLIN) AND TOLAZOLINE		
A Bush, C M Busst, W B Knight, E A Shinebourne		141
ACUTE HAEMODYNAMIC EFFECTS OF NIFEDIPINE IN PATIENTS WITH VENTRICULAR SEPTAL DEFECT		
S Berisha, A Goda, A Kastrati, A Frasheri, Y Popa		149
PROPRANOLOL TREATMENT IN CHILDREN WITH TETRALOGY OF FALLOT ALTERS THE RESPONSE TO ISOPRENALINE AFTER SURGICAL REPAIR		
C Barazzzone, C Jaccard, M Berner, P Dayer, J-C Rouge, I Oberhansli, B Friedli		156
PERICARDIOCENTESIS AND SYSTEMIC CYTOTOXIC CHEMOTHERAPY IN THE MANAGEMENT OF CARDIAC TAMPONADE SECONDARY TO DISSEMINATED BREAST CARCINOMA		
S Ramakrishnan, A J Marshall, J G Pickard, C J Tyrrell		162
CASE REPORTS		
MANAGEMENT OF A PATIENT WITH WILMS'S TUMOUR EXTENDING INTO THE RIGHT HEART CHAMBERS: A CASE REPORT AND A REVIEW OF OTHER PUBLISHED REPORTS		
T M Hunt, R K Firmin, M J S Johnstone		165
MITRAL INCOMPETENCE ASSOCIATED WITH LIPOMA INFILTRATING THE MITRAL VALVE		
D R Anderson, M R Gray		169
SURGICAL CREATION OF A DOUBLE OUTLET RIGHT ATRIUM FOR TRICUSPID VALVE STENOSIS AFTER A RASTELLI OPERATION		
J E Deanfield, S R Gundry, J Stark		172
CORRESPONDENCE		175
NOTICE		176

Number 3

EDITORIAL: THE END OF THE P VALUE?	S J W Evans, P Mills, J Dawson	177
HIGH GAIN SIGNAL AVERAGED ELECTROCARDIOGRAM COMBINED WITH 24 HOUR MONITORING IN PATIENTS EARLY AFTER MYOCARDIAL INFARCTION FOR BEDSIDE PREDICTION OF ARRHYTHMIC EVENTS		
T Cripps, E D Bennett, A J Camm, D E Ward		181

LEFT VENTRICULAR VOLUME MEASURED RAPIDLY BY OBLIQUE MAGNETIC RESONANCE IMAGING S R Underwood, C R W Gill, D N Firmin, R H Klipstein, R H Mohiaddin, R S O Rees, D B Longmore	188
PULMONARY EMBOLECTOMY FOR ACUTE MASSIVE PULMONARY EMBOLISM: AN ANALYSIS OF 71 CASES H H Gray, J M Morgan, M Paneth, G A H Miller	196
THROMBIN AND PLASMIN ACTIVITY IN CORONARY ARTERY DISEASE M Small, G D O Lowe, J T Douglas, I Hutton, A R Lorimer, C D Forbes	201
LEFT VENTRICULAR FUNCTION AT REST AND DURING EXERCISE IN ACUTE HYPOTHYROIDISM S Wieshammer, F S Keck, J Waitzinger, J Kohler, W E Adam, M Stauch, E F Pfeiffer	204
A COMPARISON OF SYMPATHOADRENAL ACTIVITY AND CARDIAC PERFORMANCE AT REST AND DURING EXERCISE IN PATIENTS WITH VENTRICULAR DEMAND OR ATRIAL SYNCHRONOUS PACING S K Pehrsson, P Hjemdahl, R Nordlander, H Åström	212
MEASUREMENTS OF THE DIMENSIONS OF THE AORTIC AND PULMONARY PATHWAYS IN THE HUMAN FETUS: A CORRELATIVE ECHOCARDIOGRAPHIC AND MORPHOMETRIC STUDY A Angelini, L D Allan, R H Anderson, D C Crawford, S K Chita, S Y Ho	221
THE DETERMINATION OF ATRIAL ARRANGEMENT BY EXAMINATION OF APPENDAGE MORPHOLOGY IN 1842 HEART SPECIMENS S Sharma, W Devine, R H Anderson, J R Zuberbuhler	227
BALLOON DILATATION OF THE PULMONARY VALVE IN THE FIRST YEAR OF LIFE IN PATIENTS WITH TETRALOGY OF FALLOT: A PRELIMINARY STUDY S A Qureshi, C R Kirk, R K Lamb, R Arnold, J L Wilkinson	232
BALLOON DILATATION OF THE AORTIC VALVE: LIMITED SUCCESS AND EARLY RESTENOSIS M Dancy, K Dawkins, D Ward	236
EFFECTS OF INCREASING AFTERLOAD ON EARLY DIASTOLIC DYSFUNCTION IN HYPERTROPHIC NON- OBSTRUCTIVE CARDIOMYOPATHY G Hausdorf, V Siglow, C A Nienaber	240
FAMILIAL NEUROFIBROMATOSIS AND HYPERTROPHIC CARDIOMYOPATHY A P Fitzpatrick, R W Emanuel	247
DEMONSTRATION OF THE ASCENDING AORTA IN INFECTIVE ENDOCARDITIS BY INTRAVENOUS DIGITAL SUBTRACTION ANGIOGRAPHY G J Hunter, H Thomas, T Treasure, M F Sturridge, R H Swanton	252
CASE REPORTS	
IMPERFORATE TRICUSPID VALVE WITH SINGLE CARDIAC OUTLET FROM RIGHT VENTRICLE W B Knight, E A Shinebourne	259
PERICARDIAL OBLITERATION BY ANGIOSARCOMA M G Cheesman, J Webster, D Rowlands	262
CORRESPONDENCE	264
NOTICE	266

Number 4

LOCALISATION OF ATRIAL NATRIURETIC PEPTIDE IMMUNOREACTIVITY IN THE VENTRICULAR MYOCARDIUM AND CONDUCTION SYSTEM OF THE HUMAN FETAL AND ADULT HEART J Wharton, R H Anderson, D Springall, R F Power, M Rose, A Smith, R Espejo, A Khaghani, J Wallwork, M H Yacoub, J M Polak	267
ELECTROCARDIOGRAPHIC PREDICTION OF CORONARY ARTERY PATENCY AFTER THROMBOLYTIC TREATMENT IN ACUTE MYOCARDIAL INFARCTION: USE OF THE ST SEGMENT AS A NON-INVASIVE MARKER K J Hogg, R S Hornung, C A Howie, N Hockings, F G Dunn, W S Hillis	275

SHORT TERM REPRODUCIBILITY OF EXERCISE TESTING IN PATIENTS WITH ST SEGMENT ELEVATION AND DIFFERENT RESPONSES TO THE DIPYRIDAMOLE TEST E Picano, M Masini, F Lattanzi, G A Klassen, A Distante, D Levantesi, P Marraccini, A L'Abbate	281
VALUE OF A BIPOLAR MODIFIED INFERIOR LEAD IN DETECTION OF INFERIOR MYOCARDIAL ISCHAEMIA C M Jespersen, V Rasmussen	287
EFFECT OF HYALURONIDASE ON MORTALITY AND MORBIDITY IN PATIENTS WITH EARLY PEAKING OF PLASMA CREATINE KINASE MB AND NON-TRANSMURAL ISCHAEMIA: MULTICENTRE INVESTIGATION FOR THE LIMITATION OF INFARCT SIZE (MILIS) R Roberts, E Braunwald, J E Muller, C Croft, H K Gold, T D Hartwell, A S Jaffe, S M Mullin, C Parker, E R Passamani, W K Poole, T Robertson, D S Raabe Jr, R E Rude, P H Stone, Z G Turi, B E Sobel, J T Willerson, and the MILIS study group	290
PERCUTANEOUS BALLOON DILATATION OF THE MITRAL VALVE: AN ANALYSIS OF ECHOCARDIOGRAPHIC VARIABLES RELATED TO OUTCOME AND THE MECHANISM OF DILATATION G T Wilkins, A E Weyman, V M Abascal, P C Block, I F Palacios	299
LONG TERM DOXORUBICIN CARDIOTOXICITY IN CHILDHOOD: NON-INVASIVE EVALUATION OF THE CONTRACTILE STATE AND DIASTOLIC FILLING G Hausdorf, G Morf, G Beron, R Erttmann, K Winkler, G Landbeck, E W Keck	309
LONGITUDINAL STUDY OF VENTRICULAR FUNCTION AFTER THE MUSTARD OPERATION FOR TRANSPOSITION OF THE GREAT ARTERIES: A LONG TERM FOLLOW UP K Y Wong, A W Venables, M J Kelly, V Kalff	316
LEFT VENTRICULAR FUNCTION IN DOUBLE INLET LEFT VENTRICLE BEFORE THE FONTAN OPERATION: COMPARISON WITH TRICUSPID ATRESIA A N Redington, B Knight, P J Oldershaw, E A Shinebourne, M L Rigby	324
RELATION BETWEEN HISTOLOGICAL FINDINGS ON EARLY REPEAT RIGHT VENTRICULAR BIOPSY AND VENTRICULAR FUNCTION IN PATIENTS WITH MYOCARDITIS G W Dec Jr, J T Fallon, J F Southern, I F Palacios	332
BENEFITS OF DUAL CHAMBER PACING IN SICK SINUS SYNDROME T Mitsuoka, R A Kenny, T A Yeung, S L Chan, J E Perrins, R Sutton	338
CASE REPORTS	
CORONARY VENOUS ANEURYSMS AND ACCESSORY ATRIOVENTRICULAR CONNECTIONS S Y Ho, G Russell, E Rowland	348
TYPE A WOLFF-PARKINSON-WHITE SYNDROME OBSCURED BY LEFT BUNDLE BRANCH BLOCK ASSOCIATED WITH A VASCULAR MALFORMATION OF THE CORONARY SINUS K Robinson, M J Davies, D M Krikler	352
PERIARTERIAL ABSCESS: ANOTHER CAUSE OF CYANOSIS AFTER PULMONARY ARTERY BANDING S A Battistessa, P L Burczynski, R McKay	355
BALLOON CLOSURE OF A SURGICAL AORTO-ATRIAL COMMUNICATION R Hayward, B Kendall, T Treasure	358
CORRESPONDENCE	361
NOTICES	362

Number 5

EDITORIAL: SILENT ISCHAEMIA: CLINICAL IMPLICATIONS IN 1988 K M Fox	363
CORONARY ANGIOPLASTY IN UNSTABLE ANGINA AND STABLE ANGINA: A COMPARISON OF SUCCESS AND COMPLICATIONS R A Perry, A Seth, A Hunt, M F Shiu	367

CORONARY ARTERY CALIBRE AFTER DIRECT INTRA-ARTERIAL INFUSION OF EPOPROSTENOL (PROSTACYCLIN)	
J Wilson, N P Silverton, M W Baig, E J Perrins, D R Smith, J A Davies, C R M Prentice	373
RELATIVE POWER OF CLINICAL, EXERCISE TEST, AND ANGIOGRAPHIC VARIABLES IN PREDICTING CLINICAL OUTCOME AFTER MYOCARDIAL INFARCTION: THE NEWHAM AND TOWER HAMLETS STUDY	
M A de Belder, C W Pumphrey, J D Skehan, H Rimington, B Al Wakeel, S J W Evans, M T Rothman, P G Mills	377
DIABETES, HYPERINSULINAEMIA, AND CORONARY RISK FACTORS IN BANGLADESHIS IN EAST LONDON	
P M McKeigue, M G Marmot, Y D Syndercombe Court, D E Cottier, S Rahman, R A Riemersma	390
HIGH PREVALENCE OF HYPERTRIGLYCERIDAEMIA AND APOLIPOPROTEIN ABNORMALITIES IN CORONARY ARTERY DISEASE	
M Barbir, D Wile, I Trayner, V R Aber, G R Thompson	397
THE ROLE OF RISK FACTORS IN HEART ATTACKS OCCURRING IN MEN WITH PRE-EXISTING ISCHAEMIC HEART DISEASE	
A N Phillips, A G Shaper, S J Pocock, M Walker, P W Macfarlane	404
DIFFERENTIAL SENSITIVITY OF RADIONUCLIDE VENTRICULOGRAPHY FOR THE DETECTION OF ANTERIOR AND INFERIOR INFARCTION	
S R Underwood, S Walton, P J Laming, P J Ell, R W Emanuel, R H Swanton	411
SILENT MYOCARDIAL ISCHAEMIA IN CHRONIC STABLE ANGINA: A STUDY OF ITS FREQUENCY AND CHARACTERISTICS IN 150 PATIENTS	
D Mulcahy, J Keegan, P Crean, A Quyyumi, L Shapiro, C Wright, K Fox	417
SEQUENCE OF EPICARDIAL REPOLARISATION AND CONFIGURATION OF THE T WAVE	
J C Cowan, C J Hilton, C J Griffiths, S Tansuphaswadikul, J P Bourke, A Murray, R W F Campbell	424
EFFECT OF PROPRANOLOL ON THE QT INTERVALS OF NORMAL INDIVIDUALS DURING EXERCISE: A NEW METHOD FOR STUDYING INTERVENTIONS	
J S M Sarma, K Venkataraman, D R Samant, U G Gadgil	434
ASSESSMENT OF THE THICKNESS OF THE RIGHT VENTRICULAR FREE WALL BY MAGNETIC RESONANCE IMAGING IN PATIENTS WITH HYPERTROPHIC CARDIOMYOPATHY	
J-I Suzuki, T Sakamoto, K Takenaka, K Kawakubo, K Amano, H Takahashi, I Hasegawa, T Shiota, Y Hada, T Sugimoto, J-I Nishikawa	440
TRANSIENT NEONATAL TRICUSPID REGURGITATION: A DOPPLER ECHOCARDIOGRAPHIC STUDY OF THREE CASES	
M Gewillig, M Dumoulin, L G Van der Hauwaert	446
CASE REPORTS	
ECHOCARDIOGRAPHIC DEMONSTRATION OF ESCHERICHIA COLI ENDOCARDITIS RESTRICTED TO THE PULMONARY VALVE	
N H Murray, M G Cheesman, M Millar-Craig	452
INTRACARDIAC THROMBOSIS, PHOSPHOLIPID ANTIBODIES, AND TWO-CHAMBERED RIGHT VENTRICLE	
M A Coppock, R E Safford, G K Danielson	455
NOTICES	458

Number 6

MORPHOLOGY OF THE ENDOTHELIUM OVER ATHEROSCLEROTIC PLAQUES IN HUMAN CORONARY ARTERIES	
M J Davies, N Woolf, P M Rowles, J Pepper	459
SMOKING AND ACUTE CORONARY HEART DISEASE: A COMPARATIVE STUDY	
K Robinson, R M Conroy, R Mulcahy	465
RELATION OF INFARCT SITE TO 15 YEAR PROGNOSIS IN PATIENTS WHO SURVIVED FOR 28 DAYS AFTER A FIRST MYOCARDIAL INFARCTION	
K Robinson, R M Conroy, R Mulcahy, B Madden	470

DOES β ADRENERGIC BLOCKADE INFLUENCE THE PROGNOSTIC IMPLICATIONS OF POST-MYOCARDIAL INFARCTION EXERCISE TESTING?	
D P Murray, L B Tan, M Salih, P Weissberg, R G Murray, W A Littler	474
CARDIAC SURGERY FOR PATIENTS AGED 65 YEARS AND OLDER: A LONG TERM SURVIVAL ANALYSIS	
S Livesey, N Caine, D J Spiegelhalter, T A H English, J Wallwork	480
LACK OF EFFECT OF WARFARIN ON THE RESTENOSIS RATE OR ON CLINICAL OUTCOME AFTER BALLOON CORONARY ANGIOPLASTY	
P Urban, N Buller, K Fox, L Shapiro, J Bayliss, A Rickards	485
HAEMODYNAMIC RESPONSE TO DOPEXAMINE HYDROCHLORIDE IN POSTINFARCTION HEART FAILURE: LACK OF TOLERANCE AFTER CONTINUOUS INFUSION	
G Svenson, L-E Strandberg, B Lindvall, L Erhardt	489
FLECAINIDE COMPARED WITH A COMBINATION OF DIGOXIN AND DISOPYRAMIDE FOR ACUTE ATRIAL ARRHYTHMIAS AFTER CARDIOPULMONARY BYPASS	
T P Gavaghan, A M Keogh, R P Kelly, T J Campbell, C Thorburn, J J Morgan	497
EFFECT OF CHANGES IN HEART RATE ON PRESSURE HALF TIME IN NORMALLY FUNCTIONING MITRAL VALVE PROSTHESES	
J Chambers, N McLoughlin, A Rapson, G Jackson	502
FURTHER OBSERVATIONS ON THE EFFECT OF BALLOON SIZE ON THE SHORT TERM AND INTERMEDIATE TERM RESULTS OF BALLOON DILATATION OF THE PULMONARY VALVE	
P Syamasundar Rao	507
FETAL COMPLETE HEART BLOCK	
M V L Machado, M J Tynan, P V L Curry, L D Allan	512
RESPONSES TO CAROTID SINUS STIMULATION BEFORE AND AFTER PROPRANOLOL	
H Berglund, M Rosenqvist, S Boukter, S Bevegard, K O Edhag	516
ANOMALOUS LEFT CORONARY ARTERY ARISING FROM THE PULMONARY ARTERY IN INFANCY: IS EARLY OPERATION BETTER?	
M K Guikahue, D Sidi, J Kachaner, E Villain, L Cohen, J F Piechaud, J le Bidois, E Pedroni, P Vouhe, J Y Neveux	522
CASE REPORTS	
ISOLATED ENDOCARDITIS OF THE PULMONARY VALVE WITH FRAGMENTATION HAEMOLYSIS	
D P Naidoo, M A Seedat, S Vythilingum	527
HEART BLOCK AND PARAGONIMIASIS	
W L Morrison, M C Petch	530
OBITUARY: P W DUCHOSAL	532
NOTICES	532
INDEX	533